

19990416.qrp v01_n428.qrl.990416

Date: Fri, 16 Apr 1999 19:03:15 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1428

QRP-L Digest 1428

Topics covered in this issue include:

- 1) [38252] IC-27H
by "Perley Urquhart" <n1yuk@nemaine.com>
- 2) [38253] NC20 Receiver Problem - Fixed!!
by Craig LaBarge <wb3gck@yahoo.com>
- 3) [38254] Wild Rose vs Prairie Lilly
by Peter Larsen <larsenp@cadvision.com>
- 4) [38255] New Paddles
by Rod Cerkoney <rlw@frii.com>
- 5) [38256] Re: PSK31 Contest (fwd)
by Peter Demmer <ampruss@hits.net>
- 6) [38257] differential capacitor, seeking one
by James R Giammanco <n5ib@juno.com>
- 7) [38258] REGEN INFO-CONTEST
by mjfitz@uswest.net
- 8) [38259] May '99 QST, K1ZZ
by malman@world.std.com (Joel Malman)
- 9) [38260] Re: Four Corners, 9 Ham Borders
by Paul Harden <na5n@rt66.com>
- 10) [38261] Part of the day (IC)
by pmk@juno.com
- 11) [38262] Re: Miles per watt question (PSK31)
by radioham@erols.com
- 12) [38263] First Pixie2 Contact!
by Jim Glover <psykey@okcforum.org>
- 13) [38264] Dayton Room Status
by Hank Kohl K8DD <k8dd@contesting.com>
- 14) [38265] Smoke/URM-25D
by Rick McNelly <72507.235@compuserve.com>
- 15) [38266] Re: differential capacitor, seeking one
by Pete Burbank <plburbank@kih.net>
- 16) [38267] CANADIAN QRP SPRING BOUQUET
by Peter Larsen <larsenp@cadvision.com>
- 17) [38268] PSK31 / QRPer wanted!
by "Bill Todd" <bill@willapabay.org>
- 18) [38269] PSK31 and Icom Radios No Problem
by John R Kirby <n3aaz-qrp@juno.com>
- 19) [38270] Re: HamCom Hotel Reservations

- by Jay Bromley <w5jay@alltel.net>
- 20) [38271] Re: PSK31 Contest (fwd)
by Ron Stark <ku7y@dri.edu>
- 21) [38272] Re: PSK31 Contest (fwd)
by "M. Monninger" <markem@primenet.com>
- 22) [38273] [FS] Alpha Delta DX-CC 80-10 short dipole
by Mike Boice <boice@bigfoot.com>
- 23) [38274]
by wa8rxi@juno.com
- 24) [38275] Re: Palm Pilot
by David Fifield <fifield@pacbell.net>
- 25) [38276] Re: PSK31 Contest (fwd)
by Michael Neverdosky <MichaelN@cycat.com>
- 26) [38277] Ten Receiver Thanks
by Zeek Zilch <zeekzilch@chisp.net>
- 27) [38278] KL7H/C6A Closing Down...
by Bruce T Hopkins <KL7H_C6A@compuserve.com>
- 28) [38279] Re: Scout modules
by Wayne A Smith <k8ff@juno.com>
- 29) [38280] Re: NorCal Regen Building Contest at HamCom 99
by Bruce Kizerian <kizerian@ced.utah.edu>
- 30) [38281] Re: HamCom Hotel Reservations (LONG)
by "Joe S" <joe@quadj.com>
- 31) [38282] Propagation Software
by Mercxx@aol.com
- 32) [38283] Re: Miles per watt question (PSK31)
by John R Kirby <n3aaz-qrp@juno.com>
- 33) [38284] PSK31, FAQ, FYI
by John R Kirby <n3aaz-qrp@juno.com>
- 34) [38285] RE: "QRP Propagation"
by Larry East <w1hue@amsat.org>
- 35) [38286] Corner Reflectors, Part 1
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 36) [38287] PSK31
by Bruce Muscolino <w6toy@erols.com>
- 37) [38288] QRP Propagation
by "Alan Fryer" <n3bj@hotmail.com>
- 38) [38289] trade
by bkobie@webtv.net (patrick obrien)
- 39) [38290] Re: HamCom June 11-13 in Arlington TX
by W5TB <w5tb@SoftHome.net>
- 40) [38291] RE: PSK31
by "John L. Sielke" <n4js@pobox.com>
- 41) [38292] PSK31
by "Roger Pience" <ka4ati@maine.rr.com>
- 42) [38293] Re: PSK31
by Eric Alan Jensen <ejensen@siemens-psc.com>
- 43) [38294] Re: PSK31, FAQ, FYI

by "George T. Baker" <w5yr@swbell.net>
44) [38295] Trade
by John Pate <kb4utv@netscape.net>
45) [38296] Re: PSK31
by Vic Rosenthal <rakefet@rakefet.com>
46) [38297] Re: PSK31
by Bruce Kizerian <kizerian@ced.utah.edu>
47) [38298] Re: [Re: Medium Wave Web-site]
by Jim Lowman <jmlowman@ix.netcom.com>
48) [38299] Re: PSK31
by Ron Stark <ku7y@dri.edu>
49) [38300] RE: "QRP Propagation"
by "Michael St. Angelo" <mstangelo@worldnet.att.net>
50) [38301] FS, computer memory board
by "Hartwell, Martin E (Marty)" <mhartwell@lucent.com>
51) [38302] Re: "QRP Propagation"
by Zack Lau <zlau@arrl.org>
52) [38303] RE: "QRP Propagation"
by Larry East <w1hue@amsat.org>
53) [38304] Re: PSK31
by Tim and Aretta Gordish <kb9lgj@leogate.kf9ug.ampr.org>
54) [38305] PSK31
by Bruce Muscolino <w6toy@erols.com>
55) [38306] Satellite Pass Predictions
by Jeff Johns <jeffj@scott.net>
56) [38307] Fw: What in the world is electricity?
by Pete Burbank <plburbank@kih.net>
57) [38308] Radio Shack PS's
by "Hartwell, Martin E (Marty)" <mhartwell@lucent.com>
58) [38309] Anyone need a ride to Newington on Sunday from LI?
by PDouglas12@aol.com
59) [38310] Building Contests & G-QRP
by Chuck Adams <adams@ticnet.com>
60) [38311] SPRAT Spring 99 page 5
by "Tony Fishpool" <g4wif@btinternet.com>
61) [38312] Re: PSK31
by Laura Halliday <lha@sdr.utias.utoronto.ca>
62) [38313] Re: Satellite Pass Predictions
by "David Hurley, n2zhy" <n2zhy@amsat.org>
63) [38314] Re: Fw: What in the world is electricity?
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
64) [38315] FS: K-2, already built
by "Christopher Brewster" <brewsq@excite.com>
65) [38316] Glacier/Waterton Hamfest (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
66) [38317] Thanks to all.
by Mercxx@aol.com
67) [38318] PSK31

- by DENNISMO@aol.com
- 68) [38319] Traveling paddles
by Ed Loranger <we6w@qsl.net>
- 69) [38320] Fw: QSL Maker Software
by "wayne reed" <wlreed@viaduct.custom.net>
- 70) [38321] Re: Part of the day (IC)
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 71) [38322] Re: Radio Shack PS's
by "Radman" <radman@best.com>
- 72) [38323] Re: HamCom Hotel Reservations
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 73) [38324] QRP-L Archive CD and Stuff
by Chuck Adams <adams@ticnet.com>
- 74) [38325] NEQRP - RIDE OFFER, FROM BEACON, NY
by S LYON <sslyon@worldnet.att.net>
- 75) [38326] Re: PSK31 (longish)
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 76) [38327] Regen Building Contest & Jim Kortge
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

Date: Thu, 15 Apr 1999 20:28:38 -0400
From: "Perley Urquhart" <n1yuk@nemaine.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [38252] IC-27H
Message-ID: <000101be87a0\$14bb7820\$321099d0@urquhart>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have an Icom 2 meter rig to trade or sell. Works well except that some of the LCD segments don't light up. Hard to tell what freq. your on sometimes. Would make an excellent packet machine if you do that thing! Will trade for a QRP rig or sell for \$65.00. Perley, #1936

Date: Thu, 15 Apr 1999 17:39:46 -0700 (PDT)
From: Craig LaBarge <wb3gck@yahoo.com>
To: qrp-l-mailing-list <qrp-l@lehigh.edu>
Subject: [38253] NC20 Receiver Problem - Fixed!!
Message-ID: <19990416003946.2188.rocketmail@web705.mail.yahoo.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Yipee!! I solved my dead receiver problem tonight. I removed T1 since all the symptoms pointed in that direction. After removing it, I noticed that I had a short to ground at L2. I lifted one end of L2 and the short persisted. I started measuring the resistance around the four input diodes and the readings didn't seem right since I would have expected to see a few hundred ohms to ground there regardless of polarity. Turns out that D5 and D6 were BOTH shorted. What are the odds of that?!? Replaced them both, reattached L2, rewound and reinstalled T1 -- BINGO! A couple of passes through the receiver adjustments and now I get lots of signals. The receiver, so far, sounds absolutely amazing.

I installed the AGC section (with the rest of the mods) and everything checks OK there. (I'm now waiting for the 1/2 stabilization period to re-adjust it.) On key down, the voltage on pin 2 of U4 goes from 1.4V to about .25V. Does that seem about right?

Thanks to Dave and Gary for their rapid response to my first message. With a little luck, I should have a working NC20 by the end of the weekend.

73, Craig WB3GCK

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 16 Apr 1999 00:53:15 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: rattray@gpfn.sk.ca, Low Power <qrp-1@Lehigh.EDU>
Cc: Multiple recipients of list <qrp-canada@lists.gpfn.sk.ca>
Subject: [38254] Wild Rose vs Prairie Lilly
Message-ID: <37167BEB.4D12FCF1@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi Bruce:

Do you want to race on Saturday? I will stay around
28.310 +/- QRM. I will send you the raw totals of guys worked
and post the list of QRP stations. I will be 5 watts.

Wild Rose on 28.310 from 19:00z till I have to pack it in.
(My wifes B-day :-)

--

73 es have fun

Peter

VE6YC D021wc

Artificial intelligence is no match for natural stupidity.

Date: Thu, 15 Apr 1999 19:01:15 -0600
From: Rod Cerkoney <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [38255] New Paddles
Message-ID: <4.1.19990415185235.009c0a20@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well Folks,

I did it, I bought a Schurr Profi-2 paddle. Sweet! Not enough 0's in smooth
to describe the felling. That's the good part. The bad part, after using a
Bencher BY-1 for a year or so, my code is lousy with the Profi. Boy to
those two paddles feel different. Going to take some practice. Guess I'll
just have to get on the air more often...darn! ;-)

So if you hear me around 14060 or 7040, give a call & say howdy. I need the
practice. :-)

72/3 N0RC

Rod Cerkoney, QRP-L #1764.

Fort Collins, CO

da di dah

Date: Thu, 15 Apr 1999 14:42:07 -1000

From: Peter Demmer <ampruss@hits.net>
To: DNT1@daimlerchrysler.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38256] Re: PSK31 Contest (fwd)
Message-ID: <3716875E.497C@hits.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

DNT1@daimlerchrysler.com wrote:

>
> Ron, KU7Y forwarded:
>
> > Band: 3.600 to 3.675 kHz, 7.080 to 7.100 kHz, 14.100 to 14.150 kHz,
> > 21.100 to 21.150 kHz, 28.100 to 28.300 kHz and 50.100 to
> > 54.000 kHz
> > NOTE: Please keep to these frequency recommendations leaving the
> > 'normal' PSK calling frequencies to 'non contest' PSKers.
>
> Interesting frequency allocations for PSK31, I'm surprised to see that our new
> "experimental" low freq. allocations so plentiful! ;-) I knew that the folks
> playing with this new mode had good success at 1800 kHz, but this is astounding!

Peter wrote;

I've read the QST article.

What's the source for the current PSK31 ABCs to get fired up on this mode. I have all the mechanicals and references for the Hellschreiber ref HR DEC 79 pg.28 et. al ... by Hans Evers PA0CX. I built my own from the info Hans sent me including some tapes and the details for the four turn per inch lead print plenum screw (LS). I used two PWM DC motors to drive the paper tape LS and the character drum. It sent incoherent narrow band schreiber data pulsed CW. Couldn't use it on the air (:{) but it worked on the phone line. TNX da BW, Aloha, Peter DE
KH6CTQ/AFA8AT

Date: Thu, 15 Apr 1999 19:06:08 CDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-1@Lehigh.edu
Subject: [38257] differential capacitor, seeking one
Message-ID: <19990415.190609.6431.0.N5IB@juno.com>

I've got the itch to build a transmission line matching device and would like to use one of the designs which employ a differential capacitor..... but where in Heaven (or Earth) does one find one these days. Any

ideas??

I'm looking at a couple of small 400 pF single section air variables in my junk box and visualizing some sort of gear mechanism to link them and make them act in differential fashion ...ugh ...

Jim, N5IB
n5ib@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 15 Apr 1999 20:20:25 -0500
From: mjfitz@uswest.net
To: qrp-1@Lehigh.EDU
Subject: [38258] REGEN INFO-CONTEST
Message-ID: <37169059.B163990C@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Doug, the group-
 NOW you're talkin' (no pun intended...)! Regens are
cool,
and a lot of fun. Try taking a look at Kitchin's article in
the
Nov/Dec '98 issue of "QEX" for two circuits...one is called

the "Junkbox Special" and the other is truly a
high-performance
radio, which Kitchen states (and I would agree) will perform

as well as some superhets...Built them both here and enjoy
both immensely...

 Dan sells some caps that work well for both versions--
if
your junkbox is empty...get the 5 section jobs that are
\$7--they
are smooth, not too large, and "very adaptable". If you
parallel
the two largest sections you have about 220 pF of range. If
you
want more, add some/all of the three additional 25pF

sections.

If you want easy "bandspread action"...get an 8:1 redux drive cap like you find in many of the QRP kits. Dan used to sell

these (yup, I got a few and, no- I'm keepin' em) but don't see them

on his sales page now, maybe he has some yet...

BTW...the above Kitchin article is quite lengthy and covers a lot of the basics, if you want some background, ideas, and building tips.

My high-performance version has a Jackson Bros. 4-inch redux drive for the main tuning, a smaller 2-inch for the regen cap, and an 8:1 cap (in series with 5 pF) for the bandspread. It works GREAT (credit all to Kitchin)! Wound an additional

AM broadcast coil (plug-in from Antique Electronics) and enjoy medium-wave DXin' with it...It also uses an Analog Devices low-noise op-amp. I added a \$10 Ten-Tec audio amp to drive the Sennheiser (424's) stereo phones (or speaker)

I dug out of the junkbox...the fidelity is also amazing...

I've said enough...regens are a "primal radio experience"

--- if you've only considered them as an antiquated kid's toy

up to this point, I would simply URGE you to reconsider. Copies of Kitchin's article are available from the ARRL for \$3 (members) and \$5 (better join?).

Mike KI0AF Mo. Valley, IA

Date: Thu, 15 Apr 1999 21:30:26 -0400 (EDT)
From: malman@world.std.com (Joel Malman)
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [38259] May '99 QST, K1ZZ
Message-ID: <199904160130.AA10606@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks,

Just got the May 1999 QST. All QRP'ers should read page 9. David Sumner (K1ZZ) has some very nice things to say re QRP, NorCal, and KI6DS. It will make you proud to be a QRP'er. It seems that the things we talk about, for example, PSK31 are now starting to get some national press.

After you read page 9 -- check out the 160 meter Contest scores (page 98). Try to count how many QRP'ers (and List members) have their calls listed. Neat!

--

/joel K1QM (Ex-wa1qvm) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Thu, 15 Apr 1999 19:59:45 -0600 (MDT)
From: Paul Harden <na5n@rt66.com>
To: Roger Hightower <n7kt@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [38260] Re: Four Corners, 9 Ham Borders
Message-ID: <Pine.SUN.4.10.9904151955060.19883-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 15 Apr 1999, Roger Hightower wrote:

> Any QRPTTF activity is really iffy at this time.

>

> Seems the XYL scheduled her kitchen remodeling, and the contractor
> called to say he'd be here on the 20th, working through the 24th at
> least.

>

> As crummy as my neighbor's yard looks, maybe I can use it as a "field"
> location. Not a Taco Bell in sight, though.

Roger,

See if the contractor can hang a Taco Bell sign in your neighbor's yard while he's banging on the kitchen and we'll give you the 2x multiplier -hi. :-)

You know, there should be a contest with bonus points for Honey Doo Interference Events (HDIE). Hmmm...

72, Paul NA5N

Date: Thu, 15 Apr 1999 23:38:23 -0400
From: pmk@juno.com
To: qrp-1@lehigh.edu
Subject: [38261] Part of the day (IC)
Message-ID: <19990416.030250.3438.8.pmk@juno.com>

Today's part # TL494MJ/538B
I have 6 of them.

I have a bunch of IC chips that were left to me before a good friend of mine passed away. There are a bunch that I don't have a clue what they are or can't find any info on. I have been to a bunch of sites trying to reference them and come up with nothing. Some are Motorola some are National and there are some other manufactures I have never heard of.

I will list how many I have and be glad to share with anyone who could use them. They will be first come first serve. All I ask is SASE with a piece of foam in it or whatever container you would like send it ready to go.

I wish I had a digital camera to photo them and put a picture of them on my web page.

72 de Patrick KD4OBQ

AR

<http://www.qsl.net/kd4obq/>
pmk@juno.com for faster service.
----- End forwarded message -----

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 15 Apr 1999 21:13:23
From: radioham@erols.com
To: n3aaz-qrp@juno.com
Cc: qrp-1@lehigh.edu
Subject: [38262] Re: Miles per watt question (PSK31)
Message-ID: <3.0.1.16.19990415211323.27cfefe0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

John-

I don't know about anyone else's awards, but speaking as the QRP ARCI Awards Manager, we use the shortest path between any two points. That is the only way to do this fairly for award purposes. Otherwise, someone could work NJ from NY and say it went the long way. I personally use the Buckmaster latitude and longitude for each station and then feed that into a little utility called bd.exe, which is available off the ARRL webpage and will calculate the distance between any two locations, by lat and long or by grid square (though I did find a bug in the grid square calculation - you hit q for quit, and if you have a grid square starting with q, like in Australia, it quits and won't do the calculation).

So, if you are looking for a 1,000 mile per watt award from ARCI, just take the mileage between the two locations and divide by the power in watts. Please check www.qrparci.org for full application details.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
Reston, VA

Date: Fri, 16 Apr 1999 02:14:19 +0000 (/etc/localtime)
From: Jim Glover <psykey@okcforum.org>
To: qrp-1@lehigh.edu, okcham@okcforum.org
Subject: [38263] First Pixie2 Contact!
Message-ID: <199904160214.CAA00826@okcforum.org>
Content-Type: text

I made my first contact with my new Pixie2 this evening. At 2353Z, I worked Bob, KC5T, in Houston, TX. He gave me a very gratifying 579 report.

I've exceeded 1000 miles per watt a couple of times before, but I think that I'd like to commemorate this first Pixie contact by using this contact to qualify for the "1000 miles per watt" award. (I worked 390 miles, with 255 milliwatts, for a modest 1,529 miles per watt.) (Who offers that award, anyway?)

--Jim WB5UDE Oklahoma City, OK

Date: Thu, 15 Apr 1999 22:56:35 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-l@lehigh.edu
Subject: [38264] Dayton Room Status
Message-ID: <4.1.19990415225219.0146b850@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As advertised, the Dayton Hamvention '99 is only about 4 weeks away.

As of today, we have 4 rooms that are not spoken for, and 8 rooms that probably will not be confirmed based on lack of response. Check <http://www.tir.com/~k8dd/rooms.htm> to see if your are there!

In the event that some of these rooms are not confirmed in the next 7 to 10 days, we will either have a handful of rooms available for \$72 + tax per night or a handful of rooms to turn back in to Days Inn.

Anyone looking for a room for 2 or more nights at Dayton Hamvention - let me know.

Days Inn is the "QRP Hotel" and home of the "Four Days in May" 99 QRP Conference as described at <http://www.qrparci.org/fdim99.html>

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@arrl.net

*/ ARRL TS <http://www.tir.com/~k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Thu, 15 Apr 1999 23:25:19 -0400
From: Rick McNelly <72507.235@compuserve.com>
To: qrp-l@Lehigh.EDU
Subject: [38265] Smoke/URM-25D
Message-ID: <199904152329_MC2-721B-CB3A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

While plugging in the URM-25D that I picked up at the Raleigh hamfest, there was a spark from the power plug resulting in a dead sig gen. I opened it up and found what seemed to be a blown choke on one of the input leads. This thing has had its original power cord replaced by a jury rigged thing with a choke on each input lead. The other choke fell apart during the repair so I just bypassed them altogether.

I tightened the screws on the 3 prong power plug, plugged it back in and it sparked again. Could the phase be wired backwards? It has a 3 prong cord. Turned it on and at least this time it worked.

Unfortunately my Performa 6400 computer now has a blown motherboard. It was plugged in to another outlet in the same room. It wasn't on at the time but it appears that the sparking incidents did it. Nothing else in the room seems to have been damaged.

So my \$20 bargain has turned into a much greater expense. :-(At least I still have the Newton for email.

Any leads on where to find a tech manual for the URM-25D? It works but needs work.

72/73's,

--Rick, KE4IZH

QRP-L # 493
72507.235@compuserve.com
Chesapeake, Va.

MP2.1K
'98 Sportsman

Date: Thu, 15 Apr 1999 23:31:20 -0400
From: Pete Burbank <plburbank@kih.net>
To: n5ib@juno.com
Cc: <qrp-1@Lehigh.EDU>
Subject: [38266] Re: differential capacitor, seeking one
Message-ID: <3.0.32.19990415233116.006d7e80@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:06 PM 4/15/99 CDT, you wrote:
>I've got the itch to build a transmission line matching device and would
>like to use one of the designs which employ a differential capacitor.....
>
>Jim, N5IB
Jim, Yeah, these capacitors are rare beasts. You might check
with Fair Radio in Ohio or Surplus Sales of Nebraska.
Another option that I have used in several tuners is to gang
two capacitors mechanically in series with rotors 180 degrees
out. Of course the lead (front panel) C should have a backshaft
and hopefully 1/4" diameter.
While you are ordering, get some ceramic standoff insulators
depending on your circuit.
Another option is to buy some surplus Collins tuner modules.
They are a wealth of high quality goodies.
GL...73 Pete NV4V

Date: Fri, 16 Apr 1999 03:32:42 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: earlmurf@telusplanet.net, Low Power <qrp-1@Lehigh.EDU>, QRP-Canada <qrp-
canada@lists.gpfn.sk.ca>
Subject: [38267] CANADIAN QRP SPRING BOUQUET
Message-ID: <3716A14A.D9AB5459@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All:
Here is the list of the stations who battled through the
QRM and QRN to get their Wild Rose.
Earl VE6EWM 57 55 #006

Bill VE5HQ 55 54 5 watts
Peter VE5PFL 55 55 5 watts
Alex VE3PIG 57 44 #99
Bruce VE5QRP 57 57 #001

--

73 es have fun
Peter
VE6YC D021wc

Artificial intelligence is no match for natural stupidity.

Date: Thu, 15 Apr 1999 20:47:30 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <nwq-1@scn.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [38268] PSK31 / QRPer wanted!
Message-ID: <009f01be87bb\$db6c6220\$ddadded1@bill>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings folks -

The NorthWest QRP Club is sponsoring the "QRP Forever" QRP Forum at the SEAPAC ARRL NW Convention in Astoria, OR the first weekend in June. We have some great speakers lined up for the meeting, and it should be a great event.

As coordinator of the speaker search "committee" I am looking for a QRPer to give a demonstration or talk about this interesting QRP-compatible digital mode to the assembled group.

I realize that this is a very new digital mode, but from all I have read it looks like this new mode will continue to generate continued interest from the QRP community.

If you would be interested in presenting this new aspect of our hobby, please e-mail to me privately -

Thanks - Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ @ 8926298

Date: Thu, 15 Apr 1999 23:45:21 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU, psk31@qth.net
Subject: [38269] PSK31 and Icom Radios No Problem
Message-ID: <19990415.234529.-187617.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Group,

I have seen several like this lately...
>>I need some advice on connecting my radio to psk31<<
and with the PSK31 "contest" coming up soon,
I would like to share this with the group...

Yes you need a single side band radio, use the USB mode.

Use the "fixed" level audio output from the radio accessory connector on the PSK31 receive side. That way the radio volume control setting does not affect RX print "quality". You may also need to "set" or adjust a "software" input level control on your sound card (receive side).

For PSK31 transmit, there is a choice, either the accessory socket or the microphone connector, but both have advantages.

The accessory socket "modulator input" (pin-11, "MOD" on the Icom 706) is the best choice because this is a "high level" port and computer "noise" has much less affect here. However on some rigs (my ICOM 706) this audio input pin is not VOX controlled so you must "key" the transmitter via the accessory socket PTT (pin-3, "HSEHD" on the 706) from a control pin provided via a computer connector. You will need to adjust a software and or hardware control for the correct output level from your sound card (transmit side) using the PSK31 "two tone" TUNE software provided and the power meter on either the radio or antenna tuner to prevent splatter and distortion.

Be VERY CAREFUL when you connect that computer "PTT" line to the radio since the computer output pin may be at RS-232 levels (12 volts either side of ground). Your radio may only want to see a "closure" to ground at the "PTT" port. A simple 2N2222 "open collector" interface circuit may be required between the computer and radio in order to prevent damage to the radio. There is an open collector interface circuit

at...>><http://www.psnw.com/~kd7s><< Re: "RTTY with a Sierra"...Figure 2,
the PTT schematic, for this purpose. No power supply is needed or
required for this interface circuit.

Your second choice for PSK31 transmit mode is the radio "mic" jack. VOX
will work here to key the transmitter and eliminate the PTT computer
connection to the radio. However the mic port is a "low level" radio
input and very susceptible to computer radio frequency interference (RFI)
"noise". YOU MUST INSTALL AN ATTENUATOR between the computer sound card
and the radio mic port else you will not be able to adjust the audio
transmit tone level (from the PC sound card) low enough and therefore
distortion and splatter will result for sure.

The PSK31 HELP file provides several "water fall" examples of splatter (
"over modulation" i.e. PC sound card TX tone levels set too high). Since
all this is new and we are just getting started...HELP KEEP PSK31
CLEAN...Please advise you contact of any splatter : >)

>From a weak signal stand point and more than forty years of ham radio and
a 35 year government electronic communications career (retired), I have
no way to express the pleasure of PSK31.

72
John
N3AAZ
FM19xa
.

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 15 Apr 1999 22:49:11 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Jay Bromley
<w5jay@alltel.net>
Subject: [38270] Re: HamCom Hotel Reservations
Message-ID: <3716B337.CD34ECBC@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,
Got myself and Kelsey KK5KU a room at the Marriott. I don't normally
quote the entire text but thought it might benefit someone. If you want

to save some time the direct # is 817-277-2774 talk to Patsy. She said they had 15 rooms left this afternoon.

Boy look below at the wiggs showing up sure gets me pump up. Last year there was a cold front that move though that weekend. It was the nicest weather I can remember for HamCom. I will talk to the weather man to see if we can get the same deal. Can't wait to see all the gang!!
73 de w5jay..

"Hendricks, Doug" wrote:

>
> Guys, I called the Marriott Hotel for room reservations for Hamcom
> yesterday, (thanks to George Pierce for his posting). And, now there are
> 20 rooms left because I took 2 of them, one for Jim Cates, and the other for
> Paul Harden and myself. Jim is driving, I will be flying to Albuquerque on
> Friday, June 11th where I will meet Paul, and then we will fly together from
> Albuquerque to Dallas (thanks Jim Wright) where we will arrive at about 9:30
> Friday night. I am really looking forward to seeing all of the guys down in
> Texas, and so far, I know that the following will be there:
>
> Ed Manuel
> Stuart Rohre
> Joe Spencer
> Barbra Spencer
> Doc Drake
> Larry Wise
> Jay Bromley
> Chuck Adams
> Doug Hendricks
> Jim Cates
> Paul Harden
> Jerry Parker
> George Dobbs
> Graham Firth
> Tony Fishpool
> George Pierce
> Glen Reid
> Plus the baja Kansas crowd (Dub, Cliff, and the boys) usually turns out full
> force for this one. (Baja Kansas is Oklahoma to those of you who don't get
> it.) I have it from a good source that Gov. Bush will be issuing temporary
> visas to the baja Kansas guys so they can enter the state legally.
>
> NorCal will be donating a NorCal 20 kit, The G-QRP Club and NorCal will have
> a table right next to Doc Drake and the boys from Texas, and they have about
> 3 hours of seminars planned. Last year on Saturday night, we all got
> together and went out to dinner at some french sounding place that had the
> very best fried crawdads that I have ever eaten. It's gonna be fun in HamCom
> this year. Hope to see you there. Please post to the list if you plan on

> attending, as we want to know who all is gonna be there, and the more the
> merrier.
>
> 72, Doug, KI6DS

Date: Thu, 15 Apr 1999 21:24:28 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: DNT1@daimlerchrysler.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [38271] Re: PSK31 Contest (fwd)
Message-ID: <Pine.SOL.3.96.990415212322.17178F-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> > Band: 3.600 to 3.675 kHz, 7.080 to 7.100 kHz, 14.100 to 14.150 kHz,
> > 21.100 to 21.150 kHz, 28.100 to 28.300 kHz and 50.100 to
> > 54.000 kHz
> > NOTE: Please keep to these frequency recommendations leaving the
> > 'normal' PSK calling frequencies to 'non contest' PSKers.

Yep, I'll bet they meant to say mHz and not kHz!

Thanks to all that pointed that out.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 15 Apr 1999 21:36:51 -0700
From: "M. Monninger" <markem@primenet.com>
To: ku7y@dri.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [38272] Re: PSK31 Contest (fwd)
Message-ID: <3.0.6.32.19990415213651.008561f0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:24 PM 4/15/99 -0700, Ron Stark wrote:

>

>> > Band: 3.600 to 3.675 kHz, 7.080 to 7.100 kHz, 14.100 to 14.150 kHz,
>> > 21.100 to 21.150 kHz, 28.100 to 28.300 kHz and 50.100 to
>> > 54.000 kHz
>
>Yep, I'll bet they meant to say MHz and not kHz!
>

Actually, it should be MHz, not mHz (M=mega, m=milli). But hey! What's a few powers of 10 between friends??? ; -)

I got the rcv function of PSK going with my 735. Hopefully, tomorrow I'll get xmit working (just gotta put together a cable). See y'all on the air...

73... Mark AA7TA

Date: Fri, 16 Apr 1999 00:26:46 -0500
From: Mike Boice <boice@bigfoot.com>
To: QRP-L@Lehigh.EDU
Subject: [38273] [FS] Alpha Delta DX-CC 80-10 short dipole
Message-ID: <3.0.5.32.19990416002646.00799a80@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For sale: NEW in bag - never opened - Alpha Delta DX-CC 80-40-20-15-10m shortened dipole. They advertise "no traps" yet it's only 82 feet long. This was given to me recently but I can't use it due to rental and space problems.

HRO sells this for \$110, AES for \$120. I'll let it go for \$90 including standard ground shipping in continental US. Shipping to elsewhere will be actual cost only.

Thanks, and remember to reply directly only!

73,

Mike Boice, KW1ND
Canyon TX
QRP-L # 576

Date: Fri, 16 Apr 1999 01:36:46 -0400
From: wa8rxi@juno.com

To: rwc@frii.com
Cc: qrp-1@Lehigh.EDU
Message-ID: <19990416.073449.-163321.0.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Thu, 15 Apr 1999 19:01:15 -0600 Rod Cercone <rwc@frii.com> writes:

>Well Folks,
>I did it, I bought a Schurr Profi-2 paddle.
>Sweet! Not enough O's in smooth
>to describe the felling. That's the good part.
>The bad part, after using a
>Bencher BY-1 for a year or so, my code is lousy with the Profi.

>72/3 NØRC
>Rod Cercone, QRP-L #1764.
>Fort Collins, CO
>da di dah

===WATCHIT!!

I've been using a Bencher BY-1 for around 10 years and the
"f-e-e-l-i-n-g" is pretty darned good ;-]

And, I believe it's all in what you get used to. Be it a straight
key, bug, paddle,
two PC Slot covers...

72, Rick - WA8RXI Taylor, MI.
Blue, Orange, Green, Brown, Slate!
White, Red, Black, Yellow, Violet, Mate!

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 16 Apr 1999 01:15:38 -0700
From: David Fifield <fifield@pacbell.net>
To: sruiz@bright.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38275] Re: Palm Pilot
Message-ID: <3716F1AA.78C09908@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have used my Palm Pilot in a very small Field Day packet radio station with an FT-530 and AEA PK-12 TNC. I used "SimpleTerm" on the Pilot - this is a very simple terminal emulator. It works very well indeed. You have to be fairly adept at Graffiti to make it worthwhile though.

72, Dave Fifield, AD6A

sergio wrote:

>
> > Does anyone know of practical applications or even software that would be
> > of use to the amateur radio station?? Please e-mail me with information.

Date: Fri, 16 Apr 1999 07:18:15 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [38276] Re: PSK31 Contest (fwd)
Message-ID: <3716D627.87F878E@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ahh, but in some parts of the world the "," is used as the decimal point and the "." as the place separator.

Are there any Hams in the world who would not recognize the frequencies even without any units at all??????
:-))

michael N6CHV

ku7y@dri.edu wrote:

>
>
> > > Band: 3.600 to 3.675 kHz, 7.080 to 7.100 kHz, 14.100 to 14.150 kHz,
> > > 21.100 to 21.150 kHz, 28.100 to 28.300 kHz and 50.100 to
> > > 54.000 kHz
> > > NOTE: Please keep to these frequency recommendations leaving the
> > > 'normal' PSK calling frequencies to 'non contest' PSKers.
>
> Yep, I'll bet they meant to say mHz and not kHz!

Date: Fri, 16 Apr 1999 05:40:17 -0700
From: Zeek Zilch <zeekzilch@chisp.net>
To: qrp-1@Lehigh.EDU
Subject: [38277] Ten Receiver Thanks
Message-ID: <37172FB1.3F3779C4@chisp.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to everyone for their public and private comments about the amount of current that a Ten Tec Argonaut 505 draws on receive. Although it sounds pretty low, I probably won't buy one for the time being - there are a lot of radios I'd like to collect but too little cash...

Roger J. Wendell
WBOJNR
Sud Aurora, CO

Date: Fri, 16 Apr 1999 07:52:43 -0400
From: Bruce T Hopkins <KL7H_C6A@compuserve.com>
To: QRP-1 <qrp-1@lehigh.edu>
Subject: [38278] KL7H/C6A Closing Down...
Message-ID: <199904160752_MC2-7247-654B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Hi Gang...

Friday April 16, 1999 - 6:45 AM

Temp - 77F... Winds SSW @ 15 Knots... Windchill Factor - 73F... Sky
Conditions - 5/8ths CI CU

The key & keyer are packed away in the drawer, the TS-450 has its protective cover back on... As I pen this I am watching my last sunrise, for this trip, over the Exuma Sound and Crescent Bay... It has been a fun month here in the Tropics but it is time to head back to the land of the "Frozen Chosen" and get ready for QRPTTF...

I had hoped to spend most of yesterday and today on the air, but when I checked the cisterns yesterday morning, I found one was nearly empty and the other was as full as the day I got here... This should not have been as I had the pump drawing off both cisterns... Oh well by the end of the day I had replumbed the faulty cistern and only had one contact ... Today's planned operating went out the window when my Pilot called last night and moved our departure time from 3 PM back to 8 AM... "Such is life on this island man"...

Thanks to all those I worked while here, there were 235 of you... I started the month with VE3ABT and ended it with N3AO... Lots of fun QSO's in between... For those that needed C6A that I didn't work, I will be back to ring in the year 2000 on an island where I am about the only one with a computer... Y2K ??? "Don't worry, be happy"... If we did work and you need a card, please QSL to my Fairbanks address... I will post a log of my QSO's on my C6A webpage: <http://www.qsl.net/kl7h>

This e-mail account will be shut down early next week, use address: kl7h@eagle.ptialaska.net

Take care and have fun guys, see ya on QRPTTF... Do they serve Peas & Rice at Taco Bell ???

72 - Bruce - KL7H / C6A

Date: Fri, 16 Apr 1999 08:20:08 -0400
From: Wayne A Smith <k8ff@juno.com>
To: qrp-1@lehigh.edu
Subject: [38279] Re: Scout modules
Message-ID: <19990416.083041.7598.2.k8ff@juno.com>

Many thanks to all that responded to the offer for the Scout modules. Both have been spoken for, if the deal falls through I will re-post them.

Thanks again!

72, Wayne K8FF

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 16 Apr 1999 06:46:05 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: ki6ds@dpol.k12.ca.us
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, N7TDT@arrl.net
Subject: [38280] Re: NorCal Regen Building Contest at HamCom 99
Message-ID: <3717310D.CFCD0EBD@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Doug

For a few weeks now I working on a one-transistor regen project for the local ham club as part of our one-transistor contest. My object is a bit simpler than yours--create an easy to construct projects that older more experienced guys can use to help youngsters get acquainted with radio and electronics. I have a set of interesting and amusing rules for the one-transistor project rules, if you are interested.

My one-transistor design must be inexpensive. I have been scrounging parts for a while, and hope to keep the cost around \$5.00. Parts will be kitted up with minimum instructions and sold at cost. Construction will be by the "ugly method". Beginners will need help putting the radio together--that is the whole purpose of this project--us "older" hams helping the "young" cultivate an interest in ham radio.

I could use some help with circuit ideas. I have a couple that look promising which will be breadboarded and tested, but additional one-transistor regen circuit ideas would be appreciated. If you or anyone on the list have some ideas, please share them. I hope this will be fun for everyone involved.

Bruce kk7zz

Date: Fri, 16 Apr 1999 08:10:23 -0500
From: "Joe S" <joe@quadj.com>
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [38281] Re: HamCom Hotel Reservations (LONG)
Message-ID: <024701be880a\$7ddc6980\$9ad132ce@joes>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Doug and the gang,

We are looking forward to seeing everyone again this year and meeting many new QRPers. Here is the link to the tentative Schedule of presentations <http://www.hamcom.org/programs9.htm> (Note: this is not the latest revision, so check back. For instance we will start at 9, I will only have a couple of things to say..then George will take over from then until about 1030. Then Doug for about an hour, then Chuck (not on spice but a Code speed test like last year). Finally, Paul Harden for about an hour. We also have a room available from 3-5 and hope to have an open forum for kit vendors/manufacturers to speak.

This will leave the afternoon free for exploring and buying.

On Friday evening we have reserved a room at a local place where the NORTEX group meets, BODACIOUS BAR-B-Q, and we thought we might get some folks together there for food and visiting. We have it from 6pm-9pm.

Remember the days for HAMCOM are different this year (2nd weekend vice the first) 11,12,13 June. Here is the schedule of times:

Commercial Vendors

Friday from 1:PM until 9:PM
Saturday from 9:AM until 5:PM
Sunday - NONE

Commercial Flea Market Vendors

Friday from 1:PM until 9:PM
Saturday from 9:AM until 5:PM
Sunday from 9:AM until 2:PM

Outside Flea Market Vendors

Friday from 1:PM until 9:PM
Saturday from 7:AM until 5:PM

Sunday from 9:AM until 2:PM

We will have four tables as always...lots of space. Hope to see you all there.

73 Joe KK5NA

-----Original Message-----

From: Hendricks, Doug <ki6ds@dpol.k12.ca.us>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, April 15, 1999 12:11 PM
Subject: HamCom Hotel Reservations

>Guys, I called the Marriott Hotel for room reservations for Hamcom
>yesterday, (thanks to George Pierce for his posting). And, now there are
>20 rooms left because I took 2 of them, one for Jim Cates, and the other
for
>Paul Harden and myself. Jim is driving, I will be flying to Albuquerque on
>Friday, June 11th where I will meet Paul, and then we will fly together
from
>Albuquerque to Dallas (thanks Jim Wright) where we will arrive at about
9:30
>Friday night. I am really looking forward to seeing all of the guys down
in
>Texas, and so far, I know that the following will be there:
-----snip -----

Date: Fri, 16 Apr 1999 09:44:11 EDT
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [38282] Propagation Software
Message-ID: <80135c93.244898ab@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good morning all,

Is there a propagation program for QRP operations? Thanks for the bandwidth.

73s
Steve
N4TKP
FISTS 4922

G-QRP 10248
QRP-L #1763

Date: Fri, 16 Apr 1999 06:53:16 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [38283] Re: Miles per watt question (PSK31)
Message-ID: <19990416.095652.-117431.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve, (QRP ARCI Awards Manager)

Thank you.

John
N3AAZ
FM19xa
.

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 16 Apr 1999 09:56:36 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [38284] PSK31, FAQ, FYI
Message-ID: <19990416.095652.-117431.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Thanks for the interest.

I get many questions...

A couple like this...

>the "best" yet
>april fool to you
Again I state... Yes this is still APRIL, but that post *** WAS NO JOKE
***...jk...

And a lot like this...
>Here is a tuning tip
>I am interested in this mode but
>is there a psk31 frequency where
>I have a couple of questions
>I have trouble tuning in PSK31

>If you cannot hear someone how do you work them
You see their "print" on your computer monitor.

May be this will help...

The software comes with automatic frequency controls. In order for a receiving station to copy the sending station, the receiving station must have his software control (AFC) turned ON and be locked (the "eye pattern" goes from RED to YELLOW) to the sending station (you can mouse "click" "SQUELCH" to start print sooner). The G4 was software "locked" to our frequency so after the VE2 signed the G4 called me on the "exact" VE2 frequency. My software lock did not know the difference so it decoded the G4 and printed his message to my monitor (the VE2 probably printed the G4 message also). This software "AFC" and "NET" frequency control makes this a very nice "round table mode" too.

PSK31 is a very narrow band width mode (less than 100 Hz), hence, an inherent weak signal mode. Not the radio but the software does all the work (the decode algorithm has a lot to do with that "narrow band width"). Since PSK31 must be "run" in the radio upper side band (USB) mode and that radio mode has a much wider band width (3 kHz) YOU hear all the other "stuff" in that 3 k Hz BW but the software hears only the 31 Hz PSK signal it is locked to.

>>is there a psk31 frequency where...

Yes, but NOTE:

Since PSK31 is new and may be hard to identify;
PSK31 does not "stand out" like some of the other digital modes.
PSK31 does not make a "periodic sound",
PSK31 is a "continuous sound", a melodious tuneful whine and not very loud.

>-----

>PSK31...
>The proposed frequencies for QSO are these:
>
>1838.150
>3580.150 (European Round Table on Wednesdays and Sundays at 2000 UTC*)
>7035.150 (European Round Table on Sundays at 1100 UTC*)
jk...10136 and or 10400...?TBD? not sure yet?...jk...
>14070.150
>18100.150
>21080.150
>28120
>* These times are for winter time. On summer time, is an hour sooner.
>-----

At the SE VHF Conference on April 9 and 10, 50.090 and 144.090 were selected as PSK31 calling frequencies.

My (N3AAZ) log shows several PSK31 QSOs on of the following:
7072, 18107, 14068 thru 14072, 21069 and 21079.

>>I have trouble tuning in PSK31

You will have to select a software mode (most run BPSK)either...
1) BPSK... it will appear to have "two spokes" on the "eye pattern"...
or
2) QPSK... it will appear to have "four spokes" on the "eye pattern".

Here is a tuning tip...

Use your (radio) 1 HZ or 10 HZ tuning resolution else Tune Very S L O W.

Remember first turn AFC and NET OFF, then with mouse and keyboard set RX FREQ HZ to 1000 and then set TX FREQ HZ 1000. Next, tune the radio (received signal) using that waterfall display, (this is an absolute must), else due to such a narrow bandwidth your will not decode (print will not be 100%), then switch the AFC to ON...THEN do not touch the receiver tuning dial...

If you are the originating station (calling CQ) turn your (software) "NET TX FREQ" ON.

If you are the answering station turn NET OFF else the QSO frequency will "walk"

(the transmitter output "on the air" frequency is controlled by the software).

If you want to "break" a QSO and start a round table use your "CW ID" (mouse click or the "F8" short cut).

The PSK31 HELP file provides several waterfall splatter examples ("over modulation" i.e. PC sound card TX tone levels set too high).

Since all this is new and we are just getting started,
and computers put out a lot of "stuff" (poor ground or "signal return"
connection)...

Please advise you contact of any splatter : >)

...HELP KEEP PSK31 CLEAN...Enjoy,

John
N3AAZ
FM19xa
.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 16 Apr 1999 08:37:38 -0600
From: Larry East <wlhue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [38285] RE: "QRP Propagation"
Message-ID: <3.0.3.32.19990416083738.00931420@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From a recent post:

>

>Good morning all,

> Is there a propagation program for QRP operations? Thanks for the
bandwidth.

??? Do QRP signals propagate differently than other signals ??? :-) :-)

(Sorry, I just couldn't resist... :-)

Date: Fri, 16 Apr 1999 10:48:35 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com,
antennas@qth.net, antennaware@contesting.com

Subject: [38286] Corner Reflectors, Part 1
Message-ID: <Pine.GS0.4.10.9904161042010.1202-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For anyone interested, I have placed a few notes on corner reflectors (for 432 MHz) at my site under the VHF category in the index. Only Part 1 is in place, and I hope to have Part 2 done before the weekend is over. So there is for the moment a link to nowhere. Part 1 compares the corner reflector to a good (DL6WU) 10-element design of about the same gain to answer the question of why anyone might want to be interested in this kind of antenna. Part 2 hopes to deal with some questions that suggest some of the standard handbook entries on the subject might need updating.

I hope the notes are useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\----	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/	(FAX)(423) 974-3509
37938-4443 USA	/	\	\	\	\		cebik@utk.edu
URL: http://web.utk.edu/~cebik/radio.html							

Date: Fri, 16 Apr 1999 11:12:00 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@Lehigh.edu
Subject: [38287] PSK31
Message-ID: <37175340.19D4@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John, and gang,

I am going to take a probably unpopular point of view here. But first, let me congratulate you on the clear explanation of PSK31 and also let me say I am not inherently against different modes of operation.

PSK31 is an computer aided communitactions technique. Left to your own devices you could not decode a PSK31 transmission, in fact you probably

would not know it was there. Similar, but more audible modes are RTTY, AMTOR, and PACKET.

I ask what do you bring to the communication but a pile of technology? Your computer does almost everything to make the contact except maybe, typing the message. Perhaps your award should be in the name of your computer. You don't tune the radio except roughly. You don't decode the signal, in fact you cannot even hear it very well.

I think getting a certificate for making a contact with Merry Olde England is like setting up a CW decoder and entering teh ARRL code proficiency test at 35 wpm! The QSO with England is to be congratulated even though it is not especially rare or difficult. To get an award for it is Questionable, even if the award has PSK31 overprinted.

I'm sorry for the apparent "flaming" here, but it does bother me. Your comments are welcome.

73

Bruce

Date: Fri, 16 Apr 1999 08:30:06 PDT
From: "Alan Fryer" <n3bj@hotmail.com>
To: w1hue@amsat.org, qrp-l@Lehigh.EDU
Subject: [38288] QRP Propagation
Message-ID: <19990416153007.4233.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

Actually, I think I recall some of the propo programs allowed selection of power levels at both ends of the path....

Alan, N3BJ

-----Original Message Follows-----
From: Larry East <w1hue@amsat.org>
Reply-To: w1hue@amsat.org
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: RE: "QRP Propagation"
Date: Fri, 16 Apr 1999 08:37:38 -0600

>From a recent post:

>

>Good morning all,

> Is there a propagation program for QRP operations? Thanks for the bandwidth.

??? Do QRP signals propagate differently than other signals ??? :-)
:-)

(Sorry, I just couldn't resist... :-)

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Fri, 16 Apr 1999 10:36:11 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@lehigh.edu
Subject: [38289] trade
Message-ID: <21815-371758EB-7914@mailtod-142.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

trade
norcal 40a
for
mfj 40 or 30 or 17 mtr qrp xcvr
qsl k8len/pat

Date: Fri, 16 Apr 1999 10:33:06 -0500
From: W5TB <w5tb@SoftHome.net>
To: w5jay@alltel.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [38290] Re: HamCom June 11-13 in Arlington TX
Message-ID: <v0401170cb33d03e959dd@[10.4.13.95]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:49 PM -0500 4/15/99, Jay Bromley wrote:

>Boy look below at the wiggs showing up sure gets me pump up.

And if that's not enuff to whet your appetite ... in the Flea Market area

we will have four tables set up side by side sponsored by QRPARCI, NORTEX QRP, G-QRP Club and NorCal so we'll have a gathering place in the (Massive) air conditioned indoor flea market area Friday evening, Saturday, and Sunday morning.

HELP - we could use a few gell cells (with wire and assorted connectors) and whatever QRP rigs you'd like to come and demo (the gell cells should be safe to leave at the table, but I suggest you be the one to hang on to your rig -- could be some unscrupulous QROers around :-)) We would also like photos of QRP field events, stations, equipment, etc -- if you have some you could spare bring them along and we'll put them on display. Please bring what you can to help us promote QRP!

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Fri, 16 Apr 1999 12:11:46 -0400 (EDT)
From: "John L. Sielke" <n4js@pobox.com>
To: qrp-l@lehigh.edu
Subject: [38291] RE: PSK31
Message-ID: <XFMail.990416121146.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

With this type of thinking, I would have to junk my keyer, my Elecraft K2 rig, my LDG autotuner, etc, because, horrors, they are "computer aided."

I thought the comments on "pure qrp" a few months ago were asinine, with the self-righteous contingent patting themselves on the back for using only indoor wire antennas. I didn't comment then, but I cannot help wondering if this self-righteous, luddite crap is not a late April fool's spoof?

The idea of playing with PSK31 is to have some fun, for me. If there are contests, certificates, etc., that makes it more fun. Maybe my computer did do some of the work. Hey, if I didn't want technology, I would communicate by smoke signals.

On 16-Apr-99 Bruce Muscolino wrote:

> John, and gang,
>

> I am going to take a probably unpopular point of view here. But first,
> let me congratulate you on the clear explanation of PSK31 and also let
> me say I am not inherently against different modes of operation.
>
> PSK31 is an computer aided communitactions technique. Left to your own
> devices you could not decode a PSK31 transmission, in fact you probably
> would not know it was there. Similar, but more audible modes are RTTY,
> AMTOR, and PACKET.
>
> I ask what do you bring to the communication but a pile of technology?
> Your computer does almost everything to make the contact except maybe,
> typing the message. Perhaps your award should be in the name of your
> computer. You don't tune the radio except roughly. You don't decode
> the signal, in fact you cannot even hear it very well.
>
> I think getting a certificate for making a contact with Merry Olde
> England is like setting up a CW decoder and entering teh ARRL code
> proficiency test at 35 wpm! The QSO with England is to be congratulated
> even though it is not especially rare or difficult. To get an award for
> it is Questionable, even if the award has PSK31 overprinted.
>
> I'm sorry for the apparent "flaming" here, but it does bother me. Your
> comments are welcome.
>
> 73
>
> Bruce

```

/_\  /_ \  /_ \  /_ \  John L. Sielke n4js@pobox.com n4js@qsl.net
( N )( 4 )( J )( S )  NJ Grid:FM29LN http://www.qsl.net/n4js
\_ /  \_ /  \_ /  \_ /  NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

```

Date: Fri, 16 Apr 1999 12:16:04 -0400
From: "Roger Pience" <ka4ati@maine.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [38292] PSK31
Message-ID: <003b01be8824\$6ed97da0\$0b045f18@RogerPience.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone know of PSK31 software (or any RTTY, xxTOR, PACKET, etc.) programs written for Windows CE?? I hate to lug an 8 pound notebook computer around with my QRP rig, when my 1.2 pound handheld PC has everything I need except except the software.

Roger KA4ATI/1
Maine, the way life should be!

Date: Fri, 16 Apr 99 10:53:02 CDT
From: Eric Alan Jensen <ejensen@siemens-psc.com>
To: w6toy@erols.com
Cc: qrp-l@Lehigh.EDU
Subject: [38293] Re: PSK31
Message-ID: <199904161617.LAA15508@eaugalle.empros.com>

Bruce,

I would like to respond with Part 97.1 Basis and purpose of the Amateur Radio Service, the rules for U.S. Amateurs:

The rules and regulations in this Part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

- (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.
- (b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.
- (c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communications and technical phases of the art.
- (d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts.
- (e) Continuation and extension of the amateur's unique ability to enhance international goodwill.

Sending 35 wpm by key and receiving the same by ear is part of this. New modes of operation such as PSK31 are also part of this. If they are easy to use, great. If they simplify communications, fantastic.

It is my belief that contests and awards are created to fulfill the purposes of the principles stated above. I really don't care if an specific award is easy to obtain, if it gets people into the amateur service, if it gets them to contribute both on and off the air, if it gets them to communicate, it will have accomplished its purpose.

>
> John, and gang,
>
> I am going to take a probably unpopular point of view here. But first,
> let me congratulate you on the clear explanation of PSK31 and also let
> me say I am not inherently against different modes of operation.
>
> PSK31 is an computer aided communitactions technique. Left to your own
> devices you could not decode a PSK31 transmission, in fact you probably
> would not know it was there. Similar, but more audible modes are RTTY,
> AMTOR, and PACKET.
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> I ask what do you bring to the communication but a pile of technology?
> Your computer does almost everything to make the contact except maybe,
> typing the message. Perhaps your award should be in the name of your
> computer. You don't tune the radio except roughly. You don't decode
> the signal, in fact you cannot even hear it very well.
>
> I think getting a certificate for making a contact with Merry Olde
> England is like setting up a CW decoder and entering teh ARRL code
> proficiency test at 35 wpm! The QSO with England is to be congratulated
> even though it is not especially rare or difficult. To get an award for
> it is Questionable, even if the award has PSK31 overprinted.
>
> I'm sorry for the apparent "flaming" here, but it does bother me. Your
> comments are welcome.
>
> 73
>
> Bruce
>

72s and 73s

--
Eric
KI0MF

Date: Fri, 16 Apr 1999 11:23:54 -0500
From: "George T. Baker" <w5yr@swbell.net>

To: n3aaz-qrp@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38294] Re: PSK31, FAQ, FYI
Message-ID: <3717641A.1EC10BEC@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John, let me just add a couple of points to your excellent operating summary:

1. I have found, and several others have reported as well, that my Soundblaster 16 soundcard produces flat-topped, distorted output if the software level controls are set much above the 50% point. This distortion is readily seen on an oscilloscope. I operate my level controls at about 30% - 40% and check the waveform to ensure that it is clean. The output audio to the rig MIC input goes through a 27K/100 divider and a 4.7 uf capacitor (to block the d-c present on the IC-765 MIC input pin). The MIC control on the rig is set at its normal 10 o'clock position.

2. If at all possible, check the transmitted waveform at the r-f level with a scope. The signal should be a very clean, balanced two-tone waveform or a constant-amplitude waveform, depending upon the output mode. If you aren't familiar with two-tone testing, check out the ARRL Handbook under SSB.

Maybe I am being a perfectionist, but I really believe that this is the only way to know that you are transmitting a clean signal. Waterfall checking alone relies on what the other fellow is seeing and on his rig, tuning, etc.

3. When testing your setup, make sure that any monitor function in your transceiver is turned off. Having it on "confuses" the waveforms and generates distortion that would not be there otherwise.

See you on the warble! ;^)

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Date: 16 Apr 99 09:24:59 MST
From: John Pate <kb4utv@netscape.net>
To: qrp-1@Lehigh.EDU

Subject: [38295] Trade
Message-ID: <19990416162459.28570.qmail@ww184.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Will trade a Ten Tec 1340 with manual for o MFJ 9040. John KB4UTV

Get your own FREE, personal Netscape WebMail account today at <http://webmail.netscape.com>.

Date: Fri, 16 Apr 1999 09:29:43 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: w6toy@erols.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [38296] Re: PSK31
Message-ID: <37176577.25841DEB@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce Muscolino wrote:

>
> I am going to take a probably unpopular point of view here.

Not with me.

> Perhaps your award should be in the name of your
> computer. You don't tune the radio except roughly. You don't decode
> the signal, in fact you cannot even hear it very well.
>
> I think getting a certificate for making a contact with Merry Olde
> England [on PSK31] is like setting up a CW decoder and entering teh ARRL code
> proficiency test at 35 wpm!

There's no reason why there couldn't be a wholly automated DXCC program today. It would scan the band looking for PSK31 DX (I bet it would be easy to do this with a K2), establish contact, and even exchange public-key encrypted QSL data! I can imagine coming home from work, going to my computer and hearing "Hi Vic, you've got 3 new ones confirmed today."

73,
Vic, K2VCO
Fresno CA

Date: Fri, 16 Apr 1999 10:48:21 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: rakefet@rakefet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38297] Re: PSK31
Message-ID: <371769D4.D8902E54@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Whoa! Lighten up guys. You are pushing arguments to the point of absurdity.
There's
room in amateur radio for everyone, including those who wish to learn about new
technology.

Bruce kk7zz

Vic Rosenthal wrote:

> There's no reason why there couldn't be a wholly automated DXCC program today.
> It would scan the band looking for PSK31 DX (I bet it would be easy to do this
> with a K2), establish contact, and even exchange public-key encrypted QSL data!
> I can imagine coming home from work, going to my computer and hearing "Hi Vic,
> you've got 3 new ones confirmed today."
>
> 73,
> Vic, K2VCO
> Fresno CA

Date: Fri, 16 Apr 1999 09:48:37 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: lynnsimons@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38298] Re: [Re: Medium Wave Web-site]
Message-ID: <371769E5.71E075E0@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Lynn Simons wrote:

>
> Hey Guys,
>
> I really like this discussion of BCB DXing. That is how I got my start too
> way back when I was a young thing. I discovered BCB DXing when I was in the
> fifth grade. I grew up in WV and loved to listen to the Great Big sound of
> WLS out of Chicago back then.

Wow, this really takes me back. My parents gave me a pocket-sized
transistor
radio (they were the latest thing back then) for Christmas in 1960, when
I was
12 years old. I used to listen to it constantly, both to the two local
rock
stations, and late into the night for distant BCB AM stations. The SWL
adventure came later, followed by a Novice license in 1966.

> My best AM catches were KFI out of Los Angeles and KOB out of Albuquerque.

>From southeastern Michigan, my best catch was KSL in Salt Lake City.

72 de Jim - AD6CW

Date: Fri, 16 Apr 1999 09:54:04 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: Vic Rosenthal <rakefet@rakefet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38299] Re: PSK31
Message-ID: <Pine.SOL.3.96.990416094626.23816B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 16 Apr 1999, Vic Rosenthal wrote:

> There's no reason why there couldn't be a wholly automated DXCC
> program today. It would scan the band looking for PSK31 DX (I bet
> it would be easy to do this with a K2), establish contact, and even
> exchange public-key encrypted QSL data! I can imagine coming home
> from work, going to my computer and hearing "Hi Vic, > you've got
> 3 new ones confirmed today."

Sure. But what would be wrong with this? As long as the award
was endorsed for what it represents, then it's all OK to my way

of thinking.

Automatic systems have been tried for many years and so far no one has been able to make them work well yet. In a big contest I think some of the better systems came up with 15-20 QSO in the whole 48 hours! (CW)

While my love is CW I just don't see anything wrong with any other mode. And I really think we as amateurs should be doing more than just playing with the old methods. We need to be out there making something new happen.

Heck, I might even dig up a Sound Blaster card, drag a Windoz computer out the the shack and see what all the fuss is about!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 16 Apr 1999 12:15:43 -0400
From: "Michael St. Angelo" <mstangelo@worldnet.att.net>
To: "'w1hue@amsat.org'" <w1hue@amsat.org>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [38300] RE: "QRP Propagation"
Message-ID: <01BE8809.220FDA20@mstangelo.ems.att.com>

Yes...they are weaker.

A good propagation program lets one set the transmit level.

73

Mike N2MS

-----Original Message-----

From: Larry East [SMTP:w1hue@amsat.org]
Sent: Friday, April 16, 1999 10:38 AM
To: Low Power Amateur Radio Discussion
Subject: RE: "QRP Propagation"

>From a recent post:

>
>Good morning all,
> Is there a propagation program for QRP operations? Thanks for the
bandwidth.

??? Do QRP signals propagate differently than other signals ??? :-) :-)

(Sorry, I just couldn't resist... :-)

Date: Fri, 16 Apr 1999 13:04:30 -0400
From: "Hartwell, Martin E (Marty)" <mhartwell@lucent.com>
To: qrp-l@lehigh.edu
Subject: [38301] FS, computer memory board
Message-ID: <293FEF237633D211882D0000C0F9B1F4554202@OH0012EXCH006U>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hello All

I have an Intel Above Board ISA for sale. On box I don't think has
been opened it says. "Zero wait state: Best Memory management: Mix =
Match
SIMMs: 32MB capacity.

Make offer if you need this include shipping please. It isn't heavy
either. About 18" long box by 6" wide, by 1 =BD " high. This for =
sending
information.=20
Please respond by return email direct.

Marty

Date: Fri, 16 Apr 1999 13:18:14 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [38302] Re: "QRP Propagation"
Message-ID: <371770D5.3539B836@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Really big signals can modulate the propagation path.--Zack W1VT

Date: Fri, 16 Apr 1999 11:19:01 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-1@lehigh.edu
Subject: [38303] RE: "QRP Propagation"
Message-ID: <3.0.3.32.19990416111901.0090b180@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:15 PM 4/16/99 -0400, someone wrote:
>
>Yes...they are weaker.
>
>A good propagation program lets one set the transmit level.
>

Alright already! I was just poking a little fun ... OK?? Sheeeshh...

Date: Sat, 17 Apr 1999 00:29:40 -0600
From: Tim and Aretta Gordish <kb9lgj@leogate.kf9ug.ampr.org>
To: qrp-1@Lehigh.EDU
Subject: [38304] Re: PSK31
Message-ID: <103110701b33dd9200ee5@[209.181.171.196]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is a good and valid debate going on here, as long as it remains civil.

One side sees the value of operator skill....yes we need that!

The other side sees the value of improving technology...yes this is good to.

It sounds like a wonderful challenge to design and implement a system that is able to make world wide contacts automatically. This could have some very good practical uses even, and we being eggheads should take the challenge on. Problem solving is very challenging!

At the same time, there are those who are extremely skilled operators

looking for tests and challenges that they can hurdle. Great! Raise the bar! DXCC on a wet noodle with 10mw is a serious challenge!

Take the challenge, which ever one suits you. In the mean time, quit whining!

BTW....Anyone know if a Macintosh version of PSK31 is available?

73 de Tim
KB9LGJ

QRP-L #457 MN-QRP NORCAL FISTS AR-QRP

Date: Fri, 16 Apr 1999 13:29:14 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@Lehigh.edu
Subject: [38305] PSK31
Message-ID: <3717736A.676A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, I have been called everything from not enthusiastic to a putz. I thank you all for your thoughts.

First, I did not say anything about whether PSK31 was or was not a valid mode of communication for either hobby or commercial use. I am sure it is and I applaud all your interests in extending your own horizons.

I also recognize the excitement factor. Any new communication experience is exciting. Even listening can be an exciting experience.

My comments were specifically addressed to the issue of giving a traditional QRP award for computer performance. Does the computer have a callsign? Does the computer have the intelligence to determine whether the contact is valid or not?

It has been suggested that a fully automatic DXCC program be developed. So be it -- do it and you'll go down in history as one of ham radio's pioneers. I, for one, would like to see the intelligent routines for QSO making. There is a bit more involved than simply sending CQ and letting the computer answer.

It has been suggested I lighten up -- and remember the guy was excited. OK, I'll lighten up as soon as you do. As far as working Eurpoe with a few watts, I've been doing it for 20 years with little more technology than an end fed wire and a TS130V. What have I been doing wrong?

73

Date: Fri, 16 Apr 1999 12:34:19 -0500
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [38306] Satellite Pass Predictions
Message-ID: <199904161734.MAA05365x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

After my post of how to work AO-27 with an HT, I have been asked by many (more than 15) people if there are any web based pass prediction engines. The URL listed below is the best that I know of, but when using it, make sure the keps are fairly current. AO-27 has a fairly regular orbit, so even if the keps were a week or so old, they will still yield fairly accurate results, unlike Mir which is constanly having to be thrust back into orbit due to it's size, weight and orbital drag. Here's the URL:

<http://acsprod1.acs.ncsu.edu/scripts/HamRadio/sattrack>

Let me know if anyone wants to set up a QRP satellite sked :)

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Fri, 16 Apr 1999 14:26:29 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [38307] Fw: What in the world is electricity?
Message-ID: <3.0.32.19990416142627.006fdfc0@kih.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>From: "CHUCK MUNCE" <k0gjsx@email.msn.com>
>To: "W0UC Paul Husby" <husby002@tc.umn.edu>,
> "jon platt" <jcplatt@mmm.com>,
> "CHARLIE BETZ N0AKC" <cbetz@cray.com>,
> "CLAIR ROBINSON K0CJ" <cjr@wavefront.com>,
> "Harold" <k0vr@uswest.net>,
> "chuck gooden" <n9qbt@amsat.org>,
> "Pete Burbank" <plburbank@kih.net>
>Subject: Fw: What in the world is electricity?
>Date: Fri, 9 Apr 1999 15:38:13 -0500
>X-MSMail-Priority: Normal
>X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
>Return-Path: k0gjsx@email.msn.com

>

>

>-----Original Message-----

>From: Jim-N9NGH & Sue <jphillip@pressenter.com>
>To: Antenna Bob <antennabob@boats4u.com>
>Date: Monday, April 05, 1999 22:25
>Subject: What in the world is electricity?

>

>

>>This is adapted from e-mail originally received from Wayne Staats, WS8RM

>>

>> Today's scientific question is:

>>

>> What in the world is electricity?

>>

>> And where does it go after it leaves the

>toaster?

>>

>>

>>

>> Here is a simple experiment that will teach you an electrical
>> lesson:

>>

>>On a cool, dry day, scuff your feet along a carpet, and then reach
>>your hand into a friend's mouth and touch one of his dental
>>fillings. Did you notice how your friend twitched violently and
>>cried out in pain? This teaches us that electricity can be a very
>>powerful force, but we must never use it to hurt others, unless, we
>>need to learn an important electrical lesson.

>>

>>It also teaches us how an electrical circuit works. When you scuffed
>>your feet, you picked up batches of "electrons," which are very
>>small objects that carpet manufacturers weave into carpet so that

>>they will attract dirt.

>>

>>The electrons travel through your bloodstream and collect in your
>>finger, where they form a spark that leaps to your friend's filling,
>>then travel down to his feet and back into the carpet, thus
>>completing the circuit.

>>

>>An Amazing electronic Factoid: If you scuffed your feet long enough
>>without touching anything, you would build up so many electrons that
>>your finger would explode! But this is nothing to worry about,
>>unless you have carpeting! Although we modern persons tend to take
>>our electric lights, radios, mixers, etc. for granted, hundreds of
>>years ago people did not have any of these things. This was just as
>>well because there was no place to plug them in anyway.

>>

>>Then along came the first "Electrical Pioneer", Benjamin Franklin,
>>who flew a kite in a lightning storm and received a serious
>>electrical shock. This proved lightning was powered by the same
>>force as carpets. But it also damaged Franklin's brain so severely
>>that he started speaking only in incomprehensible maxims, such as,
>>"A penny saved is a penny earned." Eventually he had to be given a
>>job running the post office!

>>

>>After Franklin came a herd of electrical pioneers whose names have
>>become part of our electrical terminology: Myron Volt, Alfonzo (AKA
>>Cap) Acitor, James Watt, Henry Coil, who incidentally worked as a
>>conductor in the local orchestra. He dabbled in electricity and
>>eventually became so wound up in things electrical; they named the
>>unit of inductance (Henry) after him. Some mistakenly credit him
>>with the invention of the Coil but this is not the case. There was
>>no such thing as a coil. In these early times they were called
>>inductors which we all know received their name from Sergeant Chip
>>Westfall who was the local Army recruiter and responsible for
>>thousands being "Inducted" into the military. And this was in spite
>>of Sgt. Chip being opposed to all things electrical! Several
>>generations later his great great great grandson Micro C. (Chip) who
>>had a reputation for being extremely lazy, would combine many
>>electrical components in one small package. This was so that he did
>>not have to make as many connections when he was constructing
>>electrical devices for the government. It later was named the
>>MicroChip in his honor. Then there was Bob Transformer, Big Francis
>>Farad, and Mary Louise Amp. Yes, females had a part in this also.
>>And finally Karl Carborundum who "Resisted" everything whether
>>electrical or not.

>>

>>These pioneers conducted many important electrical experiments.
>>Among them, Galvani discovered (and this is the truth) that when he
>>attached two different kinds of metal to the leg of a frog, an

>>electrical current developed and the frog's leg kicked, even though
>>it was no longer attached to the frog, which was dead anyway.
>>Galvani's discovery led to enormous advances in the field of
>>amphibian medicine. Today, skilled veterinary surgeons can take a
>>frog that has been seriously injured or even killed, implant pieces
>>of metal in its muscles, and watch it hop back into the pond -- well
>>almost, some only make it as far as the waters edge.

>>

>>But the greatest Electrical Pioneer of them all was Thomas Edison,
>>who was a brilliant inventor. This was despite the fact that he had
>>little formal education and lived in New Jersey just outside of
>>Camden.

>>

>>Edison's first major invention in 1877 was the phonograph, which
>>could soon be found in thousands of American homes. It basically sat
>>unused until 1923, when the record was invented. But Edison's
>>greatest achievement came in 1879 when he invented the Electric
>>Company. Edison's design was a brilliant adaptation of the simple
>>electrical circuit: "the electric company sends electricity through
>>a wire to a customer, then immediately gets the electricity back
>>through another wire", then (and this is the brilliant part) sends
>>it right back to the customer again!

>>

>>This means that an electric company can sell a customer the same
>>batch of electricity thousands of times a day and never get caught!
>>This is because very few customers ever take the time to examine
>>their electricity closely. In fact, the last year any new
>>electricity was generated was 1937 just after the 4th of July.

>>

>>Today thanks to men like Edison and Franklin, and frogs like
>>Galvani's, we receive almost unlimited benefits from electricity.
>>For example, in the past decade scientists have developed the laser.
>>This is an electronic appliance so powerful that it can vaporize a
>>bulldozer 2000 yards away! Yet it is so precise that doctors can use
>>it to perform delicate operations to the human eyeball, provided
>>they remember to change the power setting from "Bulldozer" to
>>"Eyeball"!

>>

>>

>>

>

>

>

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>

>

>

>

Date: Fri, 16 Apr 1999 14:30:01 -0400
From: "Hartwell, Martin E (Marty)" <mhartwell@lucent.com>
To: qrp-l@lehigh.edu
Subject: [38308] Radio Shack PS's
Message-ID: <293FEF237633D211882D0000C0F9B1F4554266@OH0012EXCH006U>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Hello All

We all have been talking about the new power supply from Radio Shack number 22-503. Now what is the difference between this and the current model number 22-504, also rated at about 13 to 14 volts at 3 amps. I am assuming the new one has better regulation and maybe better filtering.

Marty kd8bj Columbus OH.

Date: Fri, 16 Apr 1999 14:37:07 EDT
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [38309] Anyone need a ride to Newington on Sunday from LI?
Message-ID: <fc5c5c3d.2448dd53@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Assuming no more snow, I will be driving up to ARRL HQ on Sunday for the annual NE QRP gathering there. Leaving early Sunday morning, we'll return after lunch. Tom, W2RFU will be riding with me, but I have room for two more. Let me know.

Preston WJ2V

Date: Fri, 16 Apr 99 14:07:17 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [38310] Building Contests & G-QRP

Message-ID: <E10YDAY-000201-00@smtp.ticnet.com>

-- [From: Chuck Adams * EMC.Ver #2.5.02] --

Gang,

Since the posting on the Regen Rcvr contest reminded me of a small snippet in the latest issue of SPRAT, I thought that I'd remind the group as a whole.

The latest issue of SPRAT is Nr. 98 Spring 1999. Just got it in the mail.

This from page 6 as written by G3RJV:

"The hundreth edition of SPRAT is coming soon! Peter Gant reminded me of the "Take Twenty" series in Practical Wireless some years ago. Each month the series featured a simple circuit for the constructor using twenty or less components. At Peter's suggestion we are inviting members to submit "Take Twenty" circuits. Accepted circuits will be published in SPRAT and the authors will receive a prize! All we require are circuit sketches [include all component values] and brief notes on the projects. All entries to G3RJV."

This is a neat idea and have one or two that I'm going to do. Note that you do have to be a member of G-QRP to enter.

If you are not a member of G-QRP and have an interest, their web page is www.gqrp.demon.co.uk with the usual <http://> . Everybody seems to know that and all ads, TV spots, etc. drop the info....

FYI

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Fri, 16 Apr 1999 19:33:43 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "GQRP list" <gqrp@onelist.com>, "QRP-1" <qrp-1@lehigh.edu>
Subject: [38311] SPRAT Spring 99 page 5
Message-ID: <004601be8838\$d1597700\$fce0abc3@p75>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The previously incomplete page from SPRAT is now available to download from the GQRP club website. The URL is <http://www.btinternet.com/~g4wif/page5.zip>
The file size is 339k.

Kind regards
Tony - G4WIF/K4WIF
GQRP Web dweeb
<http://www.btinternet.com/~g4wif/gqrp.htm>

Date: Fri, 16 Apr 1999 15:30:03 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-1@lehigh.edu
Subject: [38312] Re: PSK31
Message-ID: <3.0.6.32.19990416153003.007a9430@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bruce M. wrote:

> PSK31 is an computer aided communitactions technique. Left to
> your own devices you could not decode a PSK31 transmission,
> in fact you probably would not know it was there. Similar,
> but more audible modes are RTTY, AMTOR, and PACKET.

> I ask what do you bring to the communication but a pile of
> technology? Your computer does almost everything to make the
> contact except maybe, typing the message.

All radio communication is aided by technology.

Your radio generates RF, your antenna sends it out and
intercepts RF from the other station. The radio amplifies the
signal, recovers the modulation and turns it into audio so
you can hear it. All you do is listen, and speak/tap on a key/
whatever. The radio's technology does the rest.

Some challenge, huh?

Laura Halliday VA3LDH "Que les nuages soient notre pied

> >> And where does it go after it leaves the
> >toaster?

This is actually an excerpt from one of Dave Barry's books, though I forget which one. If I were home, I'd look it up. But it doesn't matter which book you have -- read Dave Barry. Absolutely hilarious!

```
=====
      KC5TJA/6      |                      -| TEAM DOLPHIN |-
      DM13         |                      Samuel A. Falvo II
      QRP-L #1447   |                      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Fri, 16 Apr 1999 12:40:39 PDT
From: "Christopher Brewster" <brewsq@excite.com>
To: qrp-l@Lehigh.EDU
Subject: [38315] FS: K-2, already built
Message-ID: <924291639.22038.826@excite.com>
MIME-Version: 1.0
Content-Type: text/plain

This seems almost too good to be true, but this person is selling an Elecraft K-2 already built. He writes for a radio publication and built it for a review. I would grab it but my SG-2020 pretty well absorbed my radio budget. PLEASE don't write me--write him, Simon Lewis, at:

slewis@pacsat.demon.co.uk

Here's his email sig:

```
+-----+
|          Simon Lewis GM4PLM      Editor - EMN          |
| European Microwave News - Supporting Microwave Radio Across Europe |
| Homepage - www.pacsat.demon.co.uk   Email emn@pacsat.demon.co.uk |
+-----+
```

And here's mine...

Christopher Brewster, kc0evq
brewsq@excite.com 612/475-0477
Plymouth, Minnesota

Get your free, private email at <http://mail.excite.com/>

Date: Fri, 16 Apr 1999 13:43:23 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [38316] Glacier/Waterton Hamfest (fwd)
Message-ID: <Pine.LNX.3.95.990416132935.21137B-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...and the list grows!...

Here's the latest list of people who have indicated they might be attending the Glacier/Waterton Hamfest, middle weekend of July, and who would like to get together for a QRP chew eyeball which is now going be on the Hamfest Program!...if I've missed anyone please send me an e-mail....

Bill - WA7NWP John - VE6XT Earl - VE6EWM Bruce - VE5QRP
Roy - AB7CE Geno - NR0NR Don - VE6EY K7YD - Doug
Vern - N7SPK Jay - WA5WHN & WB5LYJ Lyndel - N7LT Todd - WA7U
Mal - N7GS

...don't forget everyone to bring a piece or two of qrp equipment and it would be nice to have a discussion on antennas and all the other "secret stuff" that pops a qrp signal through a pileup! Let me emphasize that this will be an INFORMAL get-together....no one's going to stand up and do a formal presentation unless someone has the time to prepare one....if so let me know eh?....initially I plan to do an introduction of everyone and then just guide the ensuing using a list of topics such as antennas, tiny qrp rigs, regular qrp transceivers, Sierra type rigs, the K2, tuners, power for qrp rigs, SOLAR power and so on....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

Date: Fri, 16 Apr 1999 15:53:58 EDT
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [38317] Thanks to all.
Message-ID: <38602b0b.2448ef56@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks everyone to my question on propagation. Got many responses of all types. Thanks for the laughs and the great information.

72s & 73s

Steve
N4TKP

Date: Fri, 16 Apr 1999 16:02:26 EDT
From: DENNISMO@aol.com
To: qrp-l@lehigh.edu
Subject: [38318] PSK31
Message-ID: <fec3f931.2448f152@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce W6TOY ...

I read your posting regarding PSK31 with interest. I personally like this new mode, Bruce. You might like it too if you gave it a try.

That aside, I guess you knew that your comments would draw all sorts of comments; few with the class exhibited by Ron, KU7Y. I have respected your opinions in the past as I have Ron's. You two gentlemen are Class Acts. I have learned a great deal from the two of you, but more importantly than gained knowledge about radio, electronics, etc... I've learned how to handle myself in the face of adversity. I guess that is why I can't resort to innuendoes and smirking comments just because I may not agree with you on this one issue. Then again, maybe you're right; maybe not. Does it matter that much? Probably not.

I look forward to your future postings and wish you the best -

72 es God Bless de Denny AD6EZ<><

Date: Fri, 16 Apr 1999 20:26:49 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [38319] Traveling paddles
Message-ID: <37179D09.4430@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang. Sometimes little operating hints don't seem to merit mention or are forgotten.

One little valuable trick I discovered is regarding that little problem of bugs and paddles that like to travel across the table as you use them. A solution at the home qth is not a big feat. But carrying the solution around with you is another.

I discovered that my leather cycling glove, actually they are my now retired police officer gloves, were put into service during one of my /P operations. The plastic table I was using was NOT acceptable. I couldn't send at all without the bug moving. Just barely touching the paddle made it move.

So I grabbed my left cycling glove and placed it palm up on the table and set the bug base on top of it.

Problem solved.

I'm thinking maybe I will sew up a little soft leather 'throw-rug' for my bug. Since the glove has a gortex liner, I will probably make this thing out of 4 plies. 2 leather and two fabric.

This is very thin leather. Not boot leather :)

I am sure there are lots of great methods to keep the paddle or heavy bug from walking away, this is just one more....

and I'm probably not the first to discover this :)

I hope y'all have a great weekend. as for me, well, the WSN-40 net may be missed. The front bicycle tire blew -- firecracker loud, yes-

terday after my 7 mile ride home in the heat.

Ka-Bang! Tire/tube are destroyed.

Maybe I'll set up quietly in the patio by the mobile home...
'Doing some weather checks....' Har!

See ya all Monday.

72 Ed Loranger we6w/6

--

-Ed AR QRP Millennium QSO's=560/2000

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 ARS#275

Date: Fri, 16 Apr 1999 11:32:13 -0400

From: "wayne reed" <wlreed@viaduct.custom.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [38320] Fw: QSL Maker Software

Message-ID: <00a601be8841\$23279140\$364961ce@q7c8d5>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Ed,

I used 8 1/2 x 11 card stock. It was 'in inventory' so I didn't think about the possibility of using legal size paper. Live and learn. The setting is to set the 'page' X dimension to 127, which puts you very close. That assumes you use the same settings on both the front and back QSLs. It may be possible to get slightly better alignment if one or the other is set at 126 or 128. Probably varies from printer to printer. You also need to be careful [consistent] about alignment of the paper stock in the tray.

Don't forget to set both [or all 4] x settings the same.

Good luck!

Wayne, K9NE

wlreed@custom.net

-----Original Message-----

From: Ed Manuel, N5EM <n5em@flash.net>

To: wlreed@viaduct.custom.net <wlreed@viaduct.custom.net>

Date: Wednesday, April 14, 1999 9:55 AM

Subject: Re: QSL Maker Software

>Wayne,
>
>If you could document your settings for both sides that would be neat.
>Also, did you use legal paper for 4-up printing or just letter?
>
>Ed, N5EM
>
>
>
>At 06:42 AM 4/14/99 -0400, you wrote:
>>I was told the program was not designed to make a 'two sided' card. NOT!
>>Think a minute, if you simply print the outline (the blank card) of a card
>>and reinsert the paper to print on the other side. You can easily adjust
>>the card position so the outlines on each side match.
>>
>>Next, all you need to do is to design two cards, one for the front of the
>>finished card and one for the back. I made mine so I have a photo on one
>>side and the complete information on the 'back' of the card. It worked
on
>>the first try, so it can't be too difficult!
>>
>>The photo gave me trouble at first. The 'set card' option for 'wallpaper'
>>requires a complete file name to the .bmp file you wish to use as
background
>>or photo.
>>
>>This is great! I was never a big fan of mass produced, look alike, cards.
>>
>>Wayne Reed, K9NE
>>wlreed@custom.net
>>
>>
>>
>Ed Manuel, N5EM
>Houston, Texas
>
>n5em@amsat.org
>atv@cq-vhf.com
>
>
>
>
>

Date: Fri, 16 Apr 1999 20:41:15 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: pmk@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38321] Re: Part of the day (IC)
Message-ID: <3717925B.60F8@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

pmk@juno.com wrote:

>
> Todays part # TL494MJ/538B
> I have 6 of them.

TL494CN is listed in my book as a fixed frequency pulse width modulation control circuit for switched mode power supplies with integral 5v reference supply (10 mA) for external circuits. Supply 40 V, 15 mA, freq. 40 kHz, case 16 pin DIL.

--
Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: 0H2ZAZ@0H2RBI.FIN.EU

Date: Fri, 16 Apr 1999 14:14:17 -0700
From: "Radman" <radman@best.com>
To: <mhartwell@lucent.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [38322] Re: Radio Shack PS's
Message-ID: <199904162111.0AA16541@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Marty & all,

I'll try to demystify the RS Power Supplies as follows:

22-503 is a *switching* 3AMP "traveler's" power supply. It weighs 0.89 pounds, fits in a small vinyl travel pouch and

requires 85-240VAC input. It's rated at 3A continuous and it is *regulated*... in the words of RS. Price: US\$ 49.99.

22-504 is a *linear* 3AMP regulated power supply. It size and weight are considerably greater than the switcher due to it's BIG power transformer. It's rated at 3A continuous and requires 110VAC input. It's not designed as a "traveler's" supply. Price: US\$ 39.99.

22-502 is a new *linear* _non-regulated_ PS rated at 1.75AMP. It's a less-expensive model targeted at the "boom-box" and entertainment market it would seem. Input voltage is 110VAC. Price: US\$ 29.99.

Bottom Line: What to buy? All of the above are 13.8 VDC power supplies. I've used both the 503 and 504 and like both of them. I tend to stay away from _non-regulated_ power supplies, like the 502. I suspect you'd be very happy with either the 503 or 504 depending on your travel needs. As one of the K2 field testers, I'm running the 503 with the K2 & internal battery. I like it :-) !

I'll post an article on the 503 w/ the K2 and its internal battery soon....

Std disclaimers.... :-)

Hope this helps es GL,

Conad Weiss - NN6CW

We all have been talking about the new power supply from Radio Shack number 22-503. Now what is the difference between this and the current model number 22-504, also rated at about 13 to 14 volts at 3 amps. I am assuming the new one has better regulation and maybe better filtering.

Marty kd8bj Columbus OH.

Date: Fri, 16 Apr 1999 17:30:32 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: qrp-l@lehigh.edu
Subject: [38323] Re: HamCom Hotel Reservations

Message-ID: <3.0.1.32.19990416173032.00ef0cac@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Well, I just got off the phone with Patsy at the Arlington Marriott, and I'm confirmed there too for HAMCOM. I'm flying out on Thursday, so I can be there for all of the Friday activities. Have an afternoon flight back on Sunday. Hope that all works out ok.

Looking forward to seeing all my southwestern and left coast qrp friends, plus the gang from England. :-)

72.....Jim, K8IQY

Date: Fri, 16 Apr 99 17:14:01 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [38324] QRP-L Archive CD and Stuff
Message-ID: <E10YG5M-00030v-00@smtp.ticnet.com>

-- [From: Chuck Adams * EMC.Ver #2.5.02] --

Gang,

Been working on Version 2.0 of the QRP-L Archive CD and have it ready to rock and roll. So here is the plan and timeframe.

1. Work to get a copy in the mail to the guys with the CD burners that have volunteered to do distribution. I will do this at my own expense to speed up the process.
2. Contact the volunteers one more time late tonight with email to give them the posting that will appear sometime over the weekend on just who the volunteers are, mailing addresses, etc.
3. The list includes the DX guys also.

You will have two options available to get the CD. Option 1 is to send a blank CD with return mailer/packaging/postage/etc. to the volunteer closest to you. Option 2 is to send \$10 to the volunteer

and they supply the CD/packaging/postage/etc. You should be kind enough to include a mailing label to save them time and energy.

For those that got the 20WPM Audio CD from me can tell the rest of the group how they got to you. But the postage, the box, the CD, the label that put on, the printer cartridge consumption, etc. all add up and it is not fair to the individuals involved to eat any of the overhead. So you have the option of going the cheapest way which I assume is Option 1 if you have a local source of materials or the easiest way just send in the money. They won't be any if very little profit off this.

The CD is now up to 507MB. I spent some time today making updates to files so that it worked with UNIX and I am going to double check on Windows98 browsers. John McDonough, WB8RCR, did a great job on this version. You don't realize just how much stuff has been done on QRP-L until you see it all in one place. The access is fast and since it is all on the CD it doesn't eat up precious disk space.

This is VERSION 2.0 of the QRP-L Archives up to the end of March or close to it. Didn't check the last date available on the CD. Also all the files in ASCII for those that don't have a browser but you'll miss a lot by not having a browser to go through the html'd stuff.

It was worth the wait and we will only update this every 3 months or so. It is a lot of work and I don't think that many want to spend \$40 a year just to have all of QRP-L on hand and updated, but time will tell.

So, this is the last chance for contributions. So let me know what you have. As soon as it is finalized this weekend I'll put on the web page the index to the entire disk, well an overview is more like it.

See the archives about the history of the QRP-L Archive CDRom.....

: -)

FYI

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Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Fri, 16 Apr 1999 18:13:14 -0400
From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-l@Lehigh.EDU>
Subject: [38325] NEQRP - RIDE OFFER, FROM BEACON, NY
Message-ID: <3717B5FA.B392BCB4@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings, to whom it may concern. I'll be leaving about 6:30 AM, Sunday morning from my home in Beacon, NY (gotta see that ELCRAFT!) and offer a ride to anyone, anywhere along the Rte 84 way. Pls respond directly, a.s.a.p. for planning. 72 -S-

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'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Fri, 16 Apr 1999 16:19:22 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [38326] Re: PSK31 (longish)
Message-ID: <Pine.OSF.4.05.9904161529380.1848-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's funny how things seem to blend together. A short while ago the thread was about Spread Spectrum. Now its PSK31. Criticism:"You don't even need to tune the radio". Question:"How do you tune the radio for Spread Spectrum?" It seems to me that most of the tuning is done by the computer as it is jumping the spectrum. Does this mean that if you do SS you are not a true ham?

PSK is not something you can decode just by listening to it. Neither is SS. In fact, wasn't it invented during war time because it would take special equipment to intercept?

And how does this relate to using a computer to decode Morse code? It seems to me that since we don't have a built in sense for radio waves we need a decoder of some sort. The question is "How much do we let the machine do for us?"

It used to be that all the radio did was convert the RF to audio and then

the skill of the operator did the rest. This would allow for voice and CW and maybe if you were really skilled RTTY although this was already crossing over to the point of having the machine interpret the signal for you. You would not be able to do packet etc.

It seems that there is a fuzzy but nonetheless existant line that could be drawn between computer only modes, and modes that can be done by ear but are enhanced by computer. It seems natural that in the computer only modes most of the control is going to rest with the computer. The skill of the operator comes in setting up and coding the computer, not operating the rig.

What about using a computer with the other modes. I think a lot of people would feel uneasy about winning the award for 35wpm CW if they used a computer to send and receive...unless the award was for computer generated CW. What about DSP? Is using a computer to clean up the signal cheating? There is a certain sense of romance to the well trained operator taking a noisy analog signal, digging it out of the dirt and completing a next to miraculous QSO. But does this mean we should turn our backs on improvements?

Homer Simpson once said "Anything that's hard is not worth doing". Sometimes I feel there are people who believe the opposite: "I did it the hard way and if someone else did not do it the hard way then they haven't accomplished anything".

This got me thinking about Deer Hunting in Saskatchewan. At the beginning of hunting season there is a special time for hunters with primitive weapons. After that comes the season for people with modern guns. Thus you have a choice on how you want to try to bag your deer. If you like the extra challenge get out your bow. (I have a re-curve bow. I think those fancy compound bows are for sissies ;-)) just kidding). Maybe the ham radio award should state what you accomplished AND how you accomplished it. Eg. WAS on a 49er and a straight key is harder to do than the average WAS and maybe should be recognized as such. However, it seems that the bottom line of awards is that they should motivate us to do something. And as long as they do that maybe we shouldn't get too finicky about the details. What is the right level of finicky?

Speaking of challenges, I dream of a contest something along the lines of "Using items commonly available in an average home make a radio and communicate with it". For example, is it possible to turn a computer with a sound card into a radio without having to buy extra parts from mouser etc. I remember as a kid building a crystal set and wishing I could figure out a way to avoid using a diode.

Sorry this got on the long side. It just seems that several things tied together.

Brian.

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+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca           http://duke.usask.ca/~buydens |
| VE5RDV                                     |
+-----+
| DO NOT ADD ME TO ANY MAILING                                     All wiyht. Rho |
| LISTS WITHOUT MY CONSENT !!!                                   sritched mg kegtops |
|                                                                    around? |
+-----+
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Date: Fri, 16 Apr 1999 16:00:23 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [38327] Regen Building Contest & Jim Kortge
Message-ID: <01be885c\$e9290160\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Uh oh guys. I see where one of the great ones of scratch building is going to be at HamCom. See, have a scratch building contest, and this guy comes on the run. Jim, please build an entry. Guys, you have to see this guys work in person. I just cannot describe it. Do you think Dub, Cliff, Burl and the other baja Kansas guys will try and claim that he is from Oklahoma?? Remember they are the ones who sent Barry Switzer to Dallas.

The standard is gonna be high. I did a brief search and came up with a couple of schematics for regen's on the web. Here they are:

1. <http://hem2.passagen.se/sm0vpo/rx/regen2.htm>
Site of Harry Lythall - SM0VPO / G4VVJ, contains 3 Regen schematics, 2 using transistors, one that uses tubes. Good site.
2. <http://www.intio.or.jp/jf10zl/regen.htm>

This is the site that belongs to JF10ZL and when you type the url, it is JF(the number 10) not 1 letter O. This is a circuit for a 6 Meter Regen.

Does anyone know if any of Charles Kitchen's circuits are on the web any where? What about the guys at Jade products. They have a regen circuit that use an opto isolator that was in QST a year or so ago. Anybody got the issue that was in? Also, Paul Harden told me last night that he had a disk crash and lost some stuff some time ago, but he said that he did key in the ASCII schematic of the Regen that he designed. Anyone have a copy??

I gotta feeling this is gonna be one good contest. Bill Steitenroth is the current champion of Texas as far as I know, and I am sure he will be there to defend his honor and title. Paul Harden says he will bring an entry. I will too. My entry won't be eligible for a prize, but it will be there for you to see. Tony Fishpool, Graham Firth and George Dobbs should bring entries from England, after all now is their chance to show us some of that English building skill. (By the way, I have sent Tony a message and am encouraging him to have Ted, G0ULL build one and send it over with them. If he does, you are in for a treat as Ted is a craftsmen's craftsman.) We have to watch Mr. Fishpool to make sure that if he does bring an entry for Ted, that he doesn't claim it for his own!!

See you guys in Dallas. June 11th & 12th. Gonna be a party. 72, Doug, KI6DS

End of QRP-L Digest 1428

